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PTO/SB/05A (10-01)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet 1 of 21

Complete If Known

Application Number	09/724,567
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1847
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005811US

U.S. PATENT DOCUMENTS

Examiner	Cite No.	Document Number Number Kind Code ³ (# Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Page, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
CSO	340	2002/0162129 A1	10-31-2002	Lannfelt	
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	325	2001/0102261 A1	08-01-2002	Raso	/
	306	6,417,178 B1	07-09-2002	Klunk et al.	/
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Signature*[Signature]*Date
Considered

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet 2 of 21

Complete If Known

Application Number	09/724,567
Filing Date	November 29, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005911US

211	5,736,142	04-07-1998	Sette et al.	
15	5,733,547	03-31-1998	Weiner et al.	
16	5,698,651	11-18-1997	Solomon	
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(CONSIDERED) DO NOT PRINT

U.S. PATENT DOCUMENTS

Examiner	Clo No. ¹	Document Number Number Kind Code ² (if known)	Filing Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
CON	208	60/284,103	12-08-2000	Holtzman et al.	
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	205	60/284,842	11-20-2000	Chalfour et al.	
	205	60/184,801	02-24-2000	Holtzman et al.	

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Signature*G. Nichols*Date
Considered

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¹Applicant's unique citation designation number (optional). ²Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 801.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 3 of 21

Complete if Known

Application Number	09/724,567
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-006911US

282	00/109,687	12-06-1999	Chain
343	60/450,504	11-29-1999	Chaffman et al.
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Column, Lines, Where Relevant Passages or Relevant Figures Appear	†
		Country Code ²	Number ³	Kind Code ⁴ (if known)				
CGD	343	EP	1 172 376	A1	01-16-2002			
	35	EP	911 036	A2	04-28-1999			
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	40	EP	683 234	A1	11-22-1995			
	41	EP	666 080	A1	08-09-1995			
	42	EP	652 962	B1	12-16-1998			
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	52	EP	276 723	B1	12-08-1993			Yes
	187	EP	783 104	A1	07-09-1997			
	351	WO	02/34878	A2	05-02-2002			
	352	WO	02/34777	A1	05-02-2002			
	341	WO	02/03911	A2	04-07-2001			
	344	WO	01/90182	A2	11-29-2001			
	348	WO	01/77167	A2	10-18-2001			
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	301	WO	01/62284	A2	03-01-2000			
	298	WO	01/42306	A2	05-14-2001			

Examiner Signature

G. Schenk

Date Considered

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet 4 of 21

		Complete if Known			
		Application Number	09/724,667		
		Filing Date	November 28, 2000		
		First Named Inventor	Dale B. Schenk		
		Art Unit	1647		
		Examiner Name	Christopher Nichols		
		Attorney Docket Number	015270-006911US		

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199	WO	00/77178	A1	12-21-2000	
322	WO	00/72880	A2, A3	12-07-2000	
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Signature

G. Nichols

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PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO				Complete If Known	
				Application Number	09/724,567
				Filing Date	November 28, 2000
				First Named Inventor	Dale B. Schenk
				Art Unit	1647
				Examiner Name	Christopher Nichols
Sheet	5	of	21	Attorney Docket Number	015270-005911US

76	WO	93/14200	A1	07-22-1993			
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81	WO	91/19810	A1	12-26-1991			
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83	WO	91/12818	A1	09-05-1991			
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87	WO	89/01343	A1	02-23-1989			
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92	GB	2 220 211	A	01-04-1990			
93	GB	2 335 192	A	09-15-1990			

Examiner Signature		Date Considered	7/11/03
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet 6 of 21

Complete If Known

Application Number	09/724,567
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005911US

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
ESW	94	ANDERSEN et al., "Do nonsteroidal anti-inflammatory drugs decrease the risk for Alzheimer's disease?" <i>Neurology</i> , 45:1441-1445 (1995). <input type="checkbox"/>
	95	Associated Press, "Immune cells may promote Alzheimer's, a study finds," <i>The Boston Globe</i> (4/13/95). <input type="checkbox"/>
	176	BARD et al., "Peripherally administered antibodies against amyloid β -peptide enter the central nervous system and reduce pathology in a mouse model of Alzheimer disease," <i>Nature Medicine</i> , 6(8):916-919 (2000). <input type="checkbox"/>
	228	BARROW, et al., "Solution Conformations and aggregational Properties of Synthetic Amyloid Beta-Peptides of Alzheimer's Disease. Analysis of Circular Dichroism Spectra" <i>J. Mol. Biol.</i> , 225(4): 1075-1093 (1992). <input type="checkbox"/>
	96	BAUER et al., "Interleukin-6 and α -2-macroglobulin indicate an acute-phase state in Alzheimer's disease cortices," <i>FEBS Letters</i> , 285(1):111-114 (1991). <input type="checkbox"/>
	239	BEASLEY, "Alzheimer's traced to proteins caused by aging," <i>Reuters</i> , April 20, 2001 7:56 PM ET. <input type="checkbox"/>
	204	BERCOVICI et al., "Chronic intravenous Injections of Antigen Induce and Maintain Tolerance in T Cell Receptor-Transgenic Mice," <i>Eur. J. Immunol.</i> , 29:345-354 (1999). <input type="checkbox"/>
	212	BICKEL, et al., "Sba Protected, Cationized Monoclonal Antibody Against Beta Amyloid as a Potential Diagnostic Imaging Technique for Alzheimer's Disease," <i>Soc. for Neuroscience Abstracts</i> 18:764 (1992). <input type="checkbox"/>
	97	BLASS, John P., "Immunologic Treatment of Alzheimer's Disease," <i>New England J. Medicine</i> , 341(22):1894 (1999). <input type="checkbox"/>
	98	BODMER et al., "Transforming Growth Factor-Beta Bound to Soluble Derivatives of the Beta Amyloid Precursor Protein of Alzheimer's Disease," <i>Biochem. Biophys. Res. Comm.</i> , 171(2):890-897 (1990). <input type="checkbox"/>
CGN	99	BORCHELT et al., "Accelerated Amyloid Deposition in the Brains of Transgenic Mice Coexpressing Mutant Presenilin 1 and Amyloid Precursor Protein," <i>Neuron</i> , 19: 939-945 (1997). <input type="checkbox"/>
CGN	100	BORIS-LAWRIE et al., "Recent advances in retrovirus vector technology," <i>Curr. Opin. Genet. Develop.</i> , 3: 102-109 (1993). <input type="checkbox"/>

Examiner Signature

G. Schenk

Date Considered

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PTO/SB/058 (10-01)

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STATEMENT BY APPLICANT

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Sheet 7 of 21

Complete If Known

Application Number	09/724,567
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1847
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005911US

<i>CJW</i>	101	BRICE et al., "Absence of the amyloid precursor protein gene mutation (APP717 : Val>Ile) in 85 cases of early onset Alzheimer's disease," <i>J. Neurology, Neurosurg, Psychiatry</i> , 56:112-115 (1993).	<input type="checkbox"/>
	327	CAMERON, "Recent Advances in Transgenic Technology," <i>Molecular Biotechnology</i> , 7:253-265 (1997).	<input type="checkbox"/>
	285	CAPUTO et al., "Therapeutic approaches targeted at the amyloid proteins in Alzheimer's disease," <i>Clin. Neuropharm.</i> , 15:414A-414B (1992).	<input type="checkbox"/>
	-224	Center for Biologics Evaluation and Research, U.S. Food and Drug Administration, Thimerosal in Vaccines (Mercury in Plasma-Derived Products), web site contents found at: http://www.fda.gov/bbs/vaccine/thimerosal.htm , last updated May 16, 2002.	<input type="checkbox"/>
	102	CHAO et al., "Transforming Growth Factor- β Protects human Neurons Against β -Amyloid-Induced Injury," <i>Soc. Neurosci. Abstracts</i> , 19:513-7 (1993).	<input type="checkbox"/>
	268	CHAPMAN, PAUL F., "Model behavior," <i>Nature</i> , 406:915-916 (2000).	<input type="checkbox"/>
	222	Chemical Abstract database, Abstract of "Injection of Newborn Mice with Seven Chemical Adjuvants to Help Determine Their Safety In Use in Biologicals," Chemical Abstract database. (Publication date unknown.)	<input type="checkbox"/>
	332	CHEN et al., "Neurodegenerative Alzheimer-like pathology in PDAPP 717V \rightarrow F transgenic mice," <i>Progress in Brain Research</i> , Van Leeuwen et al. Eds, 117:327-337 (1996).	<input type="checkbox"/>
	307	CHEN et al., A learning deficit related to age and beta-amyloid plaques in a mouse model of Alzheimer's disease. <i>Nature</i> , 408(6815):975-9 (2000).	<input type="checkbox"/>
	213	CHEN et al., "An Antibody to β Amyloid Precursor Protein Inhibits Cell-substratum Adhesion in Many Mammalian Cell Types," <i>Neuroscience Letters</i> , 125:223-226 (1991).	<input type="checkbox"/>
	302	CHUNG et al., "Uptake, Degradation, and Release of Fibrillar and Soluble Forms of Alzheimer's Amyloid β -Peptide by Microglial Cells," <i>J. Biol. Chem.</i> , 274(48):32301-32308 (1999).	<input type="checkbox"/>
<i>CJW</i>	291	COLOMA et al., "Transport Across the Primate Blood-Brain Barrier of a Genetically Engineered Chimeric Monoclonal Antibody to the Human Insulin Receptor," <i>Pharm. Res.</i> , 17:266-274 (2000).	<input type="checkbox"/>
<i>CJW</i>	333	CONWAY et al., "Acceleration of oligomerization, not fibrillation, is a shared property of both α -synuclein mutations linked to early-onset Parkinson's disease: Implications for pathogenesis and therapy," <i>PNAS</i> , 97(2):571-576 (2000).	<input type="checkbox"/>

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Examiner Signature	<i>G. Nichols</i>	Date Considered	7/11/03
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Sheet 8 of 21

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Application Number	09/724,687
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005911US

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Sheet 9 of 21

Complete If Known

Application Number	09/724,567
Filing Date	November 26, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005911US

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Sheet 10 of 21

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Application Number	09/724,567
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005911US

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Application Number	09/724,557
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Christopher Nichols

Attorney Docket Number 015270-008911US

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Schenk

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Sheet 12 of 21

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Application Number	09/724,567
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005911US

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Examiner Signature	<i>J. Miller</i>	Date Considered	7/11/03
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				First Named Inventor	Dale B. Schenk
				Art Unit	1647
				Examiner Name	Christopher Nichols
Sheet	13	of	21	Attorney Docket Number	015270-005911US

128	KAWABATA et al., "Amyloid plaques, neurofibrillary tangles and neuronal loss in brains of transgenic mice overexpressing a C-terminal fragment of human amyloid precursor protein," <i>Nature</i> , 354:478-478 (1991).
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Examiner Signature	<i>G. Nichols</i>	Date Considered	7/11/03
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Sheet 14 of 21

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Application Number	09/724,567
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schank
Art Unit	1847
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005911US

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Sheet 15 of 21

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Application Number	09/724,567
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005911US

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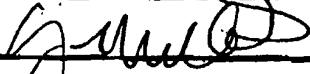
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Art Unit	1647
Examiner Name	Christopher Nichols

Attorney Docket Number 015270-005911US

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Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005911US

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First Named Inventor	Dale B. Sahenk
Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005911US

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Sheet 19 of 21

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Application Number	09/724,567
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005911US

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Sheet 20 of 21

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Application Number	09/724,567
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Christopher Nichols

Attorney Docket Number 015270-008911US

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Sheet 21 of 21

Complete If Known

Application Number	09/724,567
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1847
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005911US

<i>CP</i>	292	YAMAGUCHI et al., Diffuse plaques associated with astroglial amyloid β protein, possibly showing a disappearing stage of senile plaques," <i>Acta Neuropathol.</i> , 85:217-222 (1998).	
<i>CP</i>	290	YOUNKIN, "Amyloid β vaccination: reduced plaques and improved cognition," <i>Nature Medicine</i> , 7:18-19 (2001).	

Examiner Signature	<i>G. Nichols</i>	Date Considered	7/11/03
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¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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PTO/88/88B (04-03)

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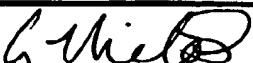
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Sheet 1 of 1

Complete if Known

Application Number	09/724,587
Filing Date	November 28, 2000
First Named Inventor	Schenk, Dale B.
Art Unit	1847
Examiner Name	Christopher Nichols
Attorney Docket Number	015270-005911US

NON PATENT LITERATURE DOCUMENTS		
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
CJN	349	Check, "Battle of the Mind," <u>Nature</u> , 422:370-372 (March 2003).
CJN	350	Nicoll et al., "Neuropathology of human Alzheimer's disease after immunization with amyloid- β peptide: a case report," <u>Nature Medicine</u> , 9(4):448-452 (April 2003).

Examiner Signature		Date Considered	7/11/03
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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